

## Abstract

The present invention provides a honeycomb catalyst and an NO<sub>x</sub> removal catalyst for use in an NO<sub>x</sub> removal apparatus which can be employed at high efficiency, and a flue gas NO<sub>x</sub> removal apparatus, whereby the running cost of a flue gas NO<sub>x</sub> removal system in terms of the NO<sub>x</sub> removal catalyst is reduced by about one-half.

The honeycomb catalyst having gas conduits for feeding a gas to be treated from an inlet to an outlet of each conduit and performing gas treatment on the sidewalls of the conduit, wherein the honeycomb catalyst has an approximate length such that the flow of the gas to be treated which has been fed into the gas conduits is straightened in the vicinity of the outlet.